

What is claimed is:

1. A solid electrolytic capacitor comprising:  
a capacitor element having an anode section formed by separating an anode body made of a valve action metal, said capacitor element having a dielectric oxide film layer, a solid electrolyte layer, and a cathode layer that are sequentially laminated on a surface of the cathode section; and  
an anode lead frame for supporting the anode section, said anode lead frame having a first through hole in a joint surface for supporting the anode section,  
wherein the anode section is coupled to said anode lead frame via the first through hole.
2. A solid electrolytic capacitor according to claim 1, further comprising a rivet made of a metallic material different from a material of said anode lead frame, said rivet being inserted into the first through hole,  
wherein said rivet is crimped, and the anode section is coupled to said anode lead frame via said rivet.
3. A solid electrolytic capacitor according to claim 2,  
wherein the metallic material forming said rivet is easily welded to the anode section.
4. A solid electrolytic capacitor according to claim 1, further comprising a spacer made of a metallic material different from a material of said anode lead frame, said spacer being buried in the first through hole,  
wherein the anode section is coupled to said anode lead frame via said spacer.

5. A solid electrolytic capacitor according to claim 4,  
wherein the metallic material forming said spacer is easily welded to  
the anode section.

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6. A solid electrolytic capacitor according to claim 1, wherein  
the anode section of said capacitor element has a second through hole,  
the second through hole is communicated with the first through hole,  
and

10 the anode section is coupled to said anode lead frame via the  
communicated the first through hole and the second through hole.

7. A solid electrolytic capacitor according to claim 6, further comprising  
a rivet made of a metallic material different from a material of said anode lead  
15 frame, said rivet being inserted into the first through hole and the second  
through hole,

wherein said rivet is crimped, and the anode section is welded to said  
rivet to be coupled to said anode lead frame.

20 8. A solid electrolytic capacitor according to claim 6, further comprising  
a spacer made of a metallic material different from a material of said anode lead  
frame, said spacer being buried in the first through hole and the second through  
hole,

25 wherein the anode section is coupled to said anode lead frame via said  
spacer.

9. A method of manufacturing a solid electrolytic capacitor comprising

steps of:

loading the anode section of a capacitor element, the anode section being separated an anode body made of valve action metal and having a dielectric oxide film layer, a solid electrolyte layer, and a cathode layer that are  
5 sequentially laminated on a surface of the cathode section; and

resistance-welding the anode section to the anode lead frame via a through hole disposed in a joint surface of the anode lead frame.